

6,092,080

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- a main site wherein said main site comprises permanent storage for the multimedia data in said digital library system; and
- a plurality of remote sites coupled to said main site wherein said remote sites comprise temporary storage for some or all of said multimedia data in said digital library system.
- 8. The system of claim 7 wherein said plurality of remote sites further comprise an instance of said asset management system.
- 9. The system of claim 7 wherein said main site further comprises an instance of said asset management system.
- 10. The system of claim 7 wherein said temporary storage is a cache.
- 11. The system of claim 7 wherein said temporary storage is a named cache.
- 12. The digital library of claim 7 wherein said plurality of remote sites are connected over a wide area network.
- 13. The digital library of claim 12 wherein said wide area network is the internet.

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- 14. A digital library system comprising:
  - a cataloguing system having a catalogue of multimedia data comprising at least one catalogue element associated with a plurality of keywords identifying said multimedia data, said plurality of keywords being interrelated by one or more of associative, whole-part, and inheritance relationships;
  - an access management system coupled to said cataloguing system; and
  - a distribution system coupled to said access management system.
- 15. The digital library system of claim 14 wherein said cataloguing system is configured to perform the step of: receiving textual information as input.
- 16. The digital library of claim 14 further comprising a transfer system configured to convert said multimedia data from analog format to digital format.

\* \* \* \* \*

## EXHIBIT 04



US005832495A

**United States Patent** [19]  
**Gustman**

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 [45] **Date of Patent:** Nov. 3, 1998

[54] **METHOD AND APPARATUS FOR CATALOGUING MULTIMEDIA DATA**  
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 [51] **Int. Cl.<sup>6</sup>** ..... G06F 17/30  
 [52] **U.S. Cl.** ..... 707/102; 707/104  
 [58] **Field of Search** ..... 395/60, 61, 62; 707/102, 104

5,414,644	5/1995	Seaman et al. ....	395/551.01
5,428,774	6/1995	Takahashi et al. ....	395/612
5,461,611	10/1995	Drake, Jr. et al. ....	370/420
5,493,677	2/1996	Balogh et al. ....	395/615
5,515,490	5/1996	Buchanan et al. ....	345/302
5,608,900	3/1997	Dockter et al. ....	395/613
5,615,112	3/1997	Sheng et al. ....	395/615
5,617,119	4/1997	Briggs et al. ....	395/611
5,630,121	5/1997	Braden-Harder et al. ....	395/604
5,630,125	5/1997	Zellweger ....	395/614
5,682,330	10/1997	Seaman et al. ....	364/551.01
5,724,605	3/1998	Wissner ....	395/806

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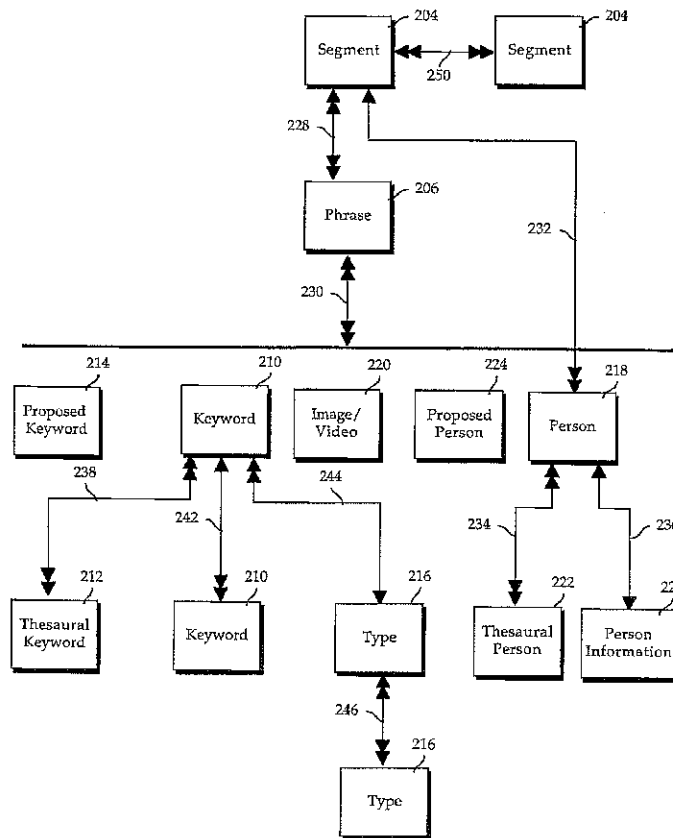
[57] **ABSTRACT**

The invention catalogues data such as multimedia data. A catalogue is a collection of one or more catalogue elements. An index is used to access a catalogue. An element of a catalogue has one or more attributes. An attribute provides information that can be used to search for, answer questions about, and navigate through a catalogue. An attribute of a catalogue element can be an element that has attributes. A catalogue element attribute that is an element is referred to as an attribute element. Attribute elements and attributes are used to build an index that can be used to facilitate catalogue access. Within a catalogue, smaller catalogues can be created by, for example, querying and user designation.

[56] **References Cited**  
**U.S. PATENT DOCUMENTS**

5,119,474	6/1992	Beitel et al. ....	395/807
5,121,470	6/1992	Trautman ....	395/140
5,123,088	6/1992	Kasahara et al. ....	395/357
5,210,868	5/1993	Shimada et al. ....	395/615
5,241,671	8/1993	Reed et al. ....	395/615
5,274,758	12/1993	Beitel et al. ....	395/807
5,278,946	1/1994	Shimada et al. ....	395/62
5,280,573	1/1994	Kuga et al. ....	395/338
5,303,296	4/1994	Zucker ....	379/67
5,404,506	4/1995	Fujisawa et al. ....	395/604
5,408,655	4/1995	Oren et al. ....	395/601

29 Claims, 34 Drawing Sheets



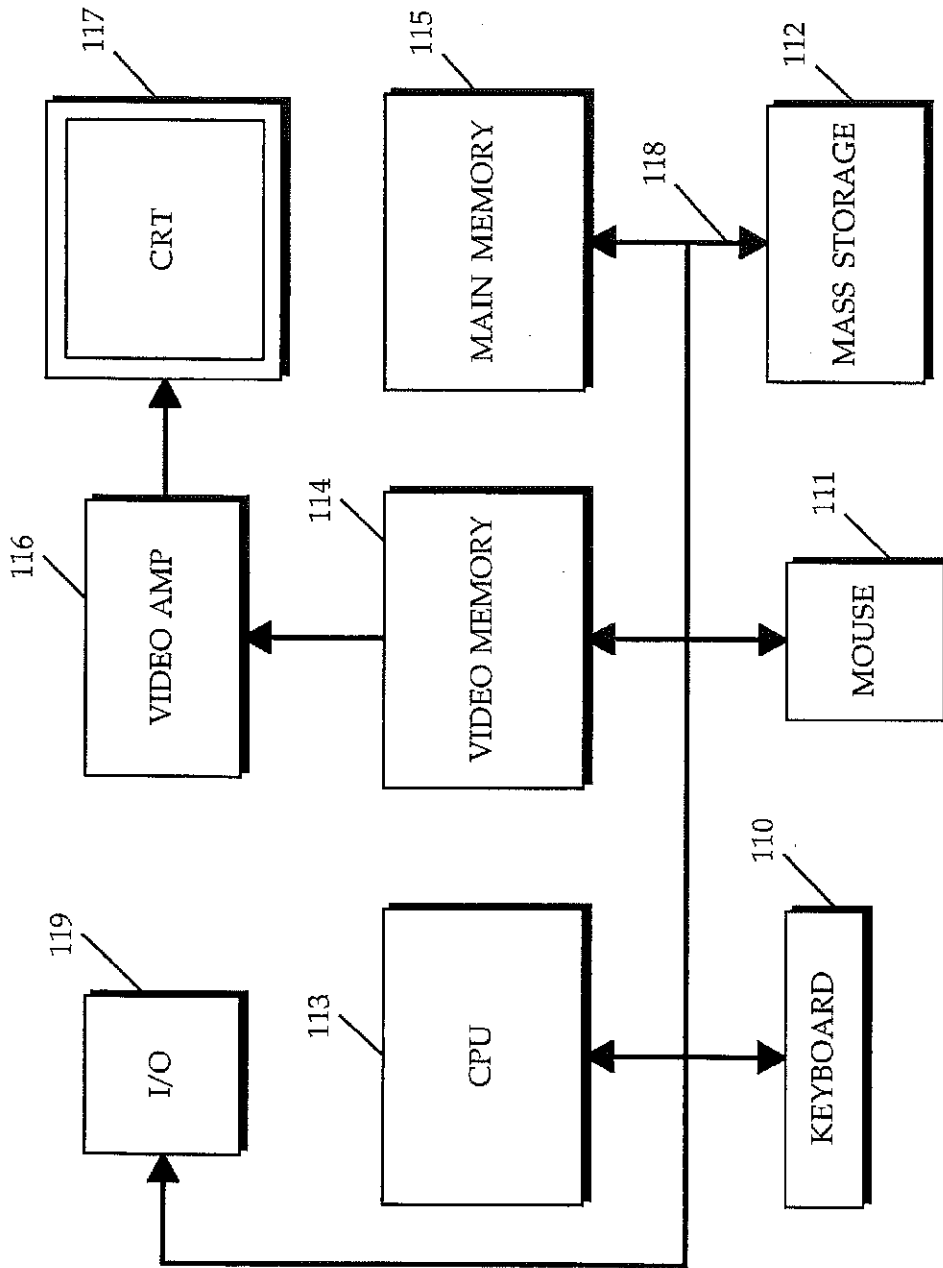


Figure 1

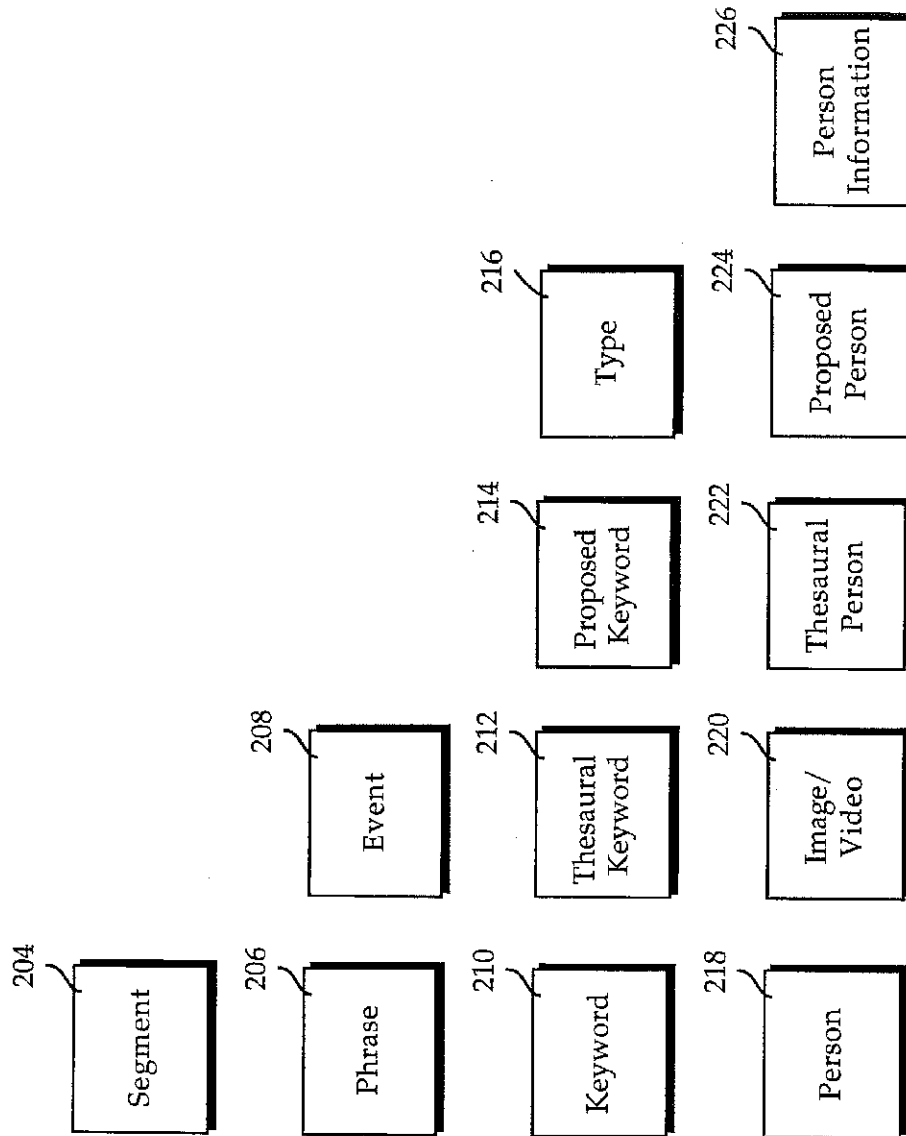


Figure 2A

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